

Title (en)  
HAPTIC NOTIFICATIONS

Title (de)  
HAPTISCHE BENACHRICHTIGUNGEN

Title (fr)  
NOTIFICATIONS HAPTIQUES

Publication  
**EP 3195088 A2 20170726 (EN)**

Application  
**EP 15762893 A 20150831**

Priority  
• US 201462044964 P 20140902  
• US 201562129693 P 20150306  
• US 2015047806 W 20150831

Abstract (en)  
[origin: US2016063826A1] Embodiments of the present disclosure are directed to a haptic actuator or a device having a haptic actuator that is capable of producing short, sharp and crisp pulses in a short amount of time.

IPC 8 full level  
**G06F 3/01** (2006.01); **H04L 12/18** (2006.01); **H04M 19/04** (2006.01)

CPC (source: EP KR US)  
**G06F 3/016** (2013.01 - EP KR US); **G08B 6/00** (2013.01 - KR US); **H04L 12/1895** (2013.01 - EP KR US); **H04M 19/047** (2013.01 - EP KR US); **H01H 2003/008** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2016036671A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2016063826 A1 20160303; US 9830782 B2 20171128**; CN 105389000 A 20160309; CN 105389000 B 20180918; CN 109445574 A 20190308; CN 109445574 B 20220211; CN 114442809 A 20220506; EP 3195088 A2 20170726; JP 2017532648 A 20171102; JP 2020074131 A 20200514; JP 7061143 B2 20220427; KR 102019505 B1 20190906; KR 102143310 B1 20200828; KR 20170032452 A 20170322; KR 20190104468 A 20190909; US 10490035 B2 20191126; US 2016163165 A1 20160609; US 2018075715 A1 20180315; US 9564029 B2 20170207; WO 2016036671 A2 20160310; WO 2016036671 A3 20160421

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**US 201514841582 A 20150831**; CN 201510551859 A 20150901; CN 201811078245 A 20150901; CN 202210105087 A 20150901; EP 15762893 A 20150831; JP 2017511883 A 20150831; JP 2020000375 A 20200106; KR 20177004925 A 20150831; KR 20197025823 A 20150831; US 2015047806 W 20150831; US 201615045761 A 20160217; US 201715800630 A 20171101